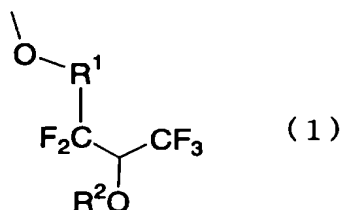


Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application. Please amend Claims 4 and 11, cancel Claims 10 and 17, and add new Claims 21 and 22 as follows:

Listing of Claims:

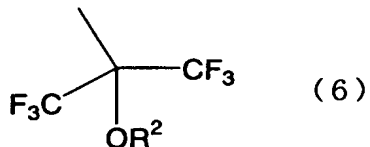
1. (Currently amended) A fluorine-containing compound comprising a substituent represented by the formula 1,



where R¹ is (a) a straight-chain alkylene group, ~~or~~ (b) a branched ~~alkyl or~~ alkylene group, (c) a cyclic structure containing an aromatic ring group or aliphatic cyclic group, or (d) a substituent containing an aromatic ring group and an aliphatic cyclic group, and R¹ optionally contains fluorine, another halogen, CN, oxygen, nitrogen, silicon, or alcohol, and

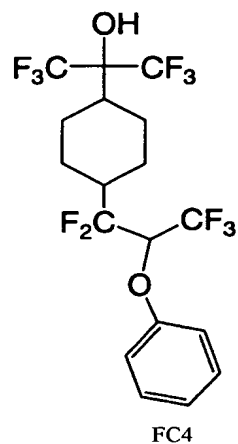
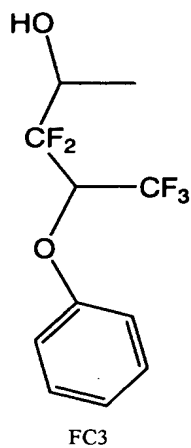
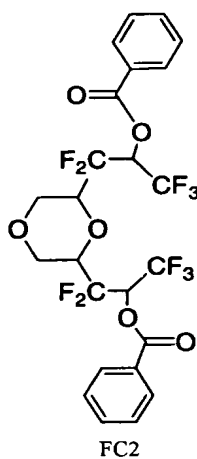
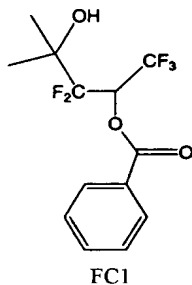
R² is a hydrogen atom, a straight-chain or branched alkyl group, an aromatic group, or a hydrocarbon group optionally containing an aliphatic cyclic group, and R² optionally contains fluorine, oxygen, nitrogen, carbonyl bond, or alcohol, and a plural number of R² having different structures are optionally contained in the molecule.

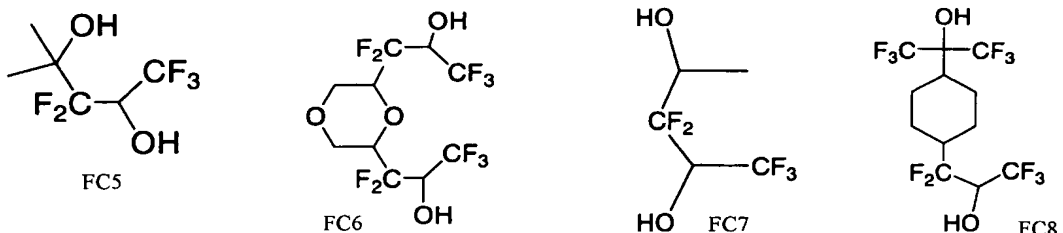
2. (Withdrawn) A fluorine-containing compound according to claim 1, wherein R¹ comprises a hexafluorocarinol group represented by the formula 6,



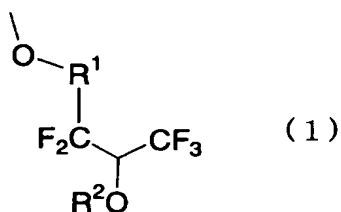
wherein R² is defined as in the formula 1.

3. (Withdrawn) A fluorine-containing compound according to claim 1, which is selected from first to eighth fluorine-containing compounds respectively represented by the following formulas FC1 to FC8:





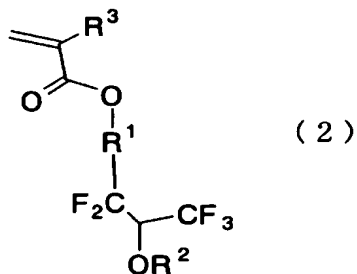
4. (Currently amended) A fluorine-containing polymerizable monomer comprising a substituent represented by the formula 1,



where R¹ is (a) a straight-chain alkylene group, ~~or~~ (b) a branched ~~alkyl or~~ alkylene group, (c) a cyclic structure containing an aromatic ring group or aliphatic cyclic group, or (d) a substituent containing an aromatic ring group and an aliphatic cyclic group, and R¹ optionally contains fluorine, another halogen, CN, oxygen, nitrogen, silicon, or alcohol, and

R² is a hydrogen atom, a straight-chain or branched alkyl group, an aromatic group, or a hydrocarbon group optionally containing an aliphatic cyclic group, and R² optionally contains fluorine, oxygen, nitrogen, carbonyl bond, or alcohol, and a plural number of R² having different structures are optionally contained in the molecule.

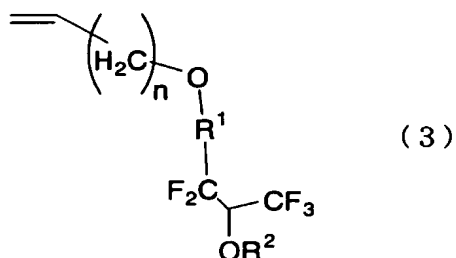
5. (Original) A fluorine-containing polymerizable monomer according to claim 4, which is represented by the formula 2,



wherein R^1 and R^2 are defined as in the formula 1, and*/

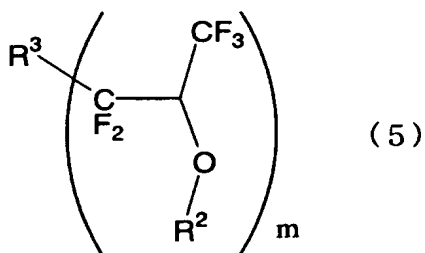
R^3 is a hydrogen, fluorine, alkyl group optionally containing fluorine, or cyano group.

6. (Original) A fluorine-containing polymerizable monomer according to claim 4, which is represented by the formula 3,



wherein R^1 and R^2 are defined as in the formula 1, and n is 0 or 1.

7. (Original) A fluorine-containing polymerizable monomer according to claim 4, wherein the substituent represented by the formula 1 is derived from a compound represented by the formula 5,

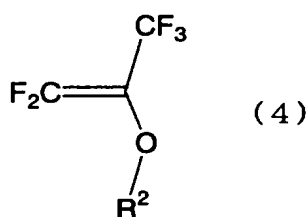


wherein R^2 is defined as in the formula 1,

R^3 is a straight-chain or cyclic group containing at least one selected from the group consisting of ether bond, ester bond and hydroxyl group, and

m is an integer of 1-3,

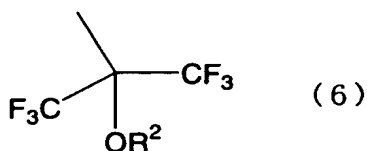
wherein the compound represented by the formula 5 is prepared by a radical addition reaction, in which a compound represented by the formula 4:



wherein R^2 is defined as in the formula 1, is added to an alcohol, ether or ester compound.

8. (Original) A fluorine-containing polymerizable monomer according to claim 4, wherein R^2 in the formula 1 is an acid-labile protecting group.

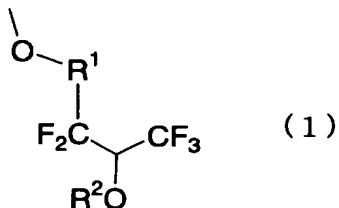
9. (Original) A fluorine-containing polymerizable monomer according to claim 4, wherein R^1 comprises a hexafluorocarinol group represented by the formula 6,



wherein R^2 is defined as in the formula 1.

10. (Cancelled).

11. (Currently amended) A fluorine-containing polymer comprising a substituent represented by the formula 1,

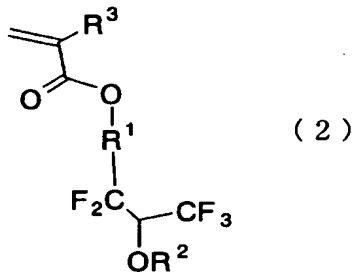


where R¹ is (a) a straight-chain alkylene group, ~~or~~ (b) a branched ~~alkyl or~~ alkylene group, (c) a cyclic structure containing an aromatic ring group or aliphatic cyclic group, or (d) a substituent containing an aromatic ring group and an aliphatic cyclic group, and R¹ optionally contains fluorine, another halogen, CN, oxygen, nitrogen, silicon, or alcohol, and

R² is a hydrogen atom, a straight-chain or branched alkyl group, an aromatic group, or a hydrocarbon group optionally containing an aliphatic cyclic group, and R² optionally contains fluorine, oxygen, nitrogen, carbonyl bond, or alcohol, and a plural number of R² having different structures are optionally contained in the molecule.

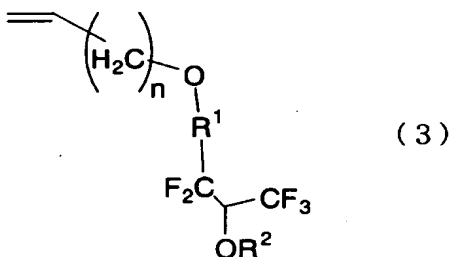
12. (Original) A fluorine-containing polymer according to claim 11, which is prepared by a polymerization or copolymerization, using a fluorine-containing polymerizable monomer comprising the substituent represented by the formula 1, and

wherein the fluorine-containing polymerizable monomer is represented by the formula 2 or 3:



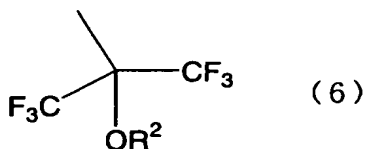
wherein R¹ and R² are defined as in the formula 1, and

R³ is a hydrogen, fluorine, alkyl group optionally containing fluorine, or cyano group.



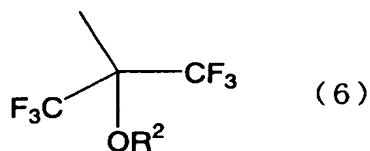
wherein R¹ and R² are defined as in the formula 1, and n is 0 or 1.

13. (Original) A fluorine-containing polymer according to claim 11, wherein R¹ comprises a hexafluorocarbon group represented by the formula 6,



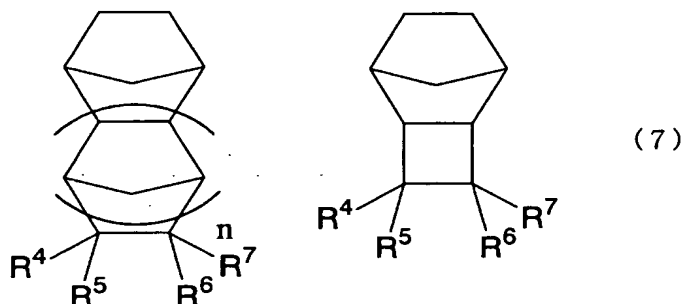
wherein R² is defined as in the formula 1.

14. (Original) A fluorine-containing polymer according to claim 12, wherein the fluorine-containing polymerizable monomer, which is used in the copolymerization, comprises a hexafluorocarbon group represented by the formula 6,



wherein R^2 is defined as in the formula 1.

15. (Original) A fluorine-containing polymer according to claim 12, wherein the fluorine-containing polymerizable monomer comprises a norbornene represented by one of the following two formulas 7,

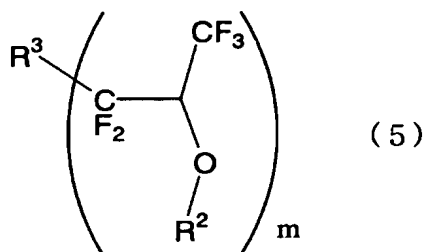


wherein each of R^4 , R^5 , R^6 , and R^7 is independently a hydrogen, fluorine, another halogen, a straight-chain or branched alkyl or fluoroalkyl group optionally containing a cyclic structure, a fluorine-containing cyclic group, hydroxyl group, carboxyl group, a hydroxyl or carboxyl group protected with R^2 as defined in the formula 1, or a group containing at least two of these.

16. (Original) A fluorine-containing polymer according to claim 12, wherein R^2 in the formula 2 or 3 is an acid-labile protecting group.

17. (Cancelled)

18. (Withdrawn) A dissolution inhibitor comprising a compound represented by the formula 5,

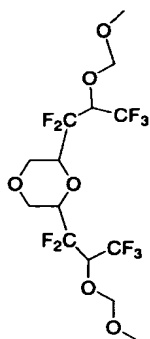


wherein R² is an acid-labile protecting group,

R³ is a straight-chain or cyclic group containing at least one selected from the group consisting of ether bond, ester bond and hydroxyl group, and

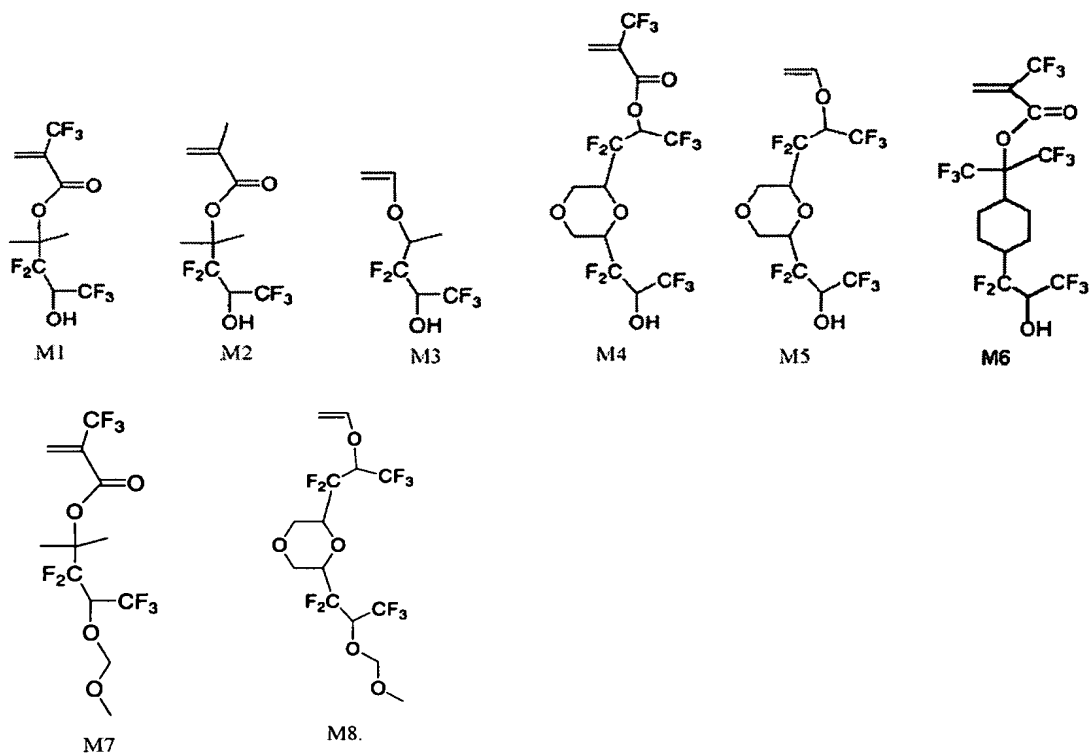
m is an integer of 1-3.

19. (Withdrawn) A dissolution inhibitor according to claim 18, wherein the compound is represented by the following formula:



20. (Original) A resist composition comprising a fluorine-containing polymer according to claim 11.

21. (New) A fluorine-containing polymerizable monomer according to claim 4, which is selected from first to eighth fluorine-containing polymerizable monomers respectively represented by the following formulas M1 to M8:



22. (New) A fluorine-containing polymer according to claim 11, which comprises a repeating unit derived from at least one monomer selected

from first to eighth fluorine-containing polymerizable monomers respectively represented by the following formulas M1 to M8:

